

XP-002246186

AN - 2000-675025 [66]

AP - JP19990357970 19991216

CPY - TAOT-N

DC - E32 G02 L01 L02 P73

DR - 1966-U

FS - CPI;GMPI

IC - B32B5/18 ; C03C17/25 ; C09D1/00

MC - E35-K02 G02-A05 G02-A05E G02-A05F L01-G04 L02-D

M3 - [01] A422 A940 C108 C550 C730 C801 C802 C803 C804 C805 C807 M411 M781
M904 M905 M910 Q332 Q452 Q623 Q624 R036 R043; R01966-K R01966-U; 1966-U

PA - (TAOT-N) TAO KK

PN - JP2000233462 A 20000829 DW200066 B32B5/18 006pp

PR - JP19980358638 19981217

XA - C2000-204807

XIC - B32B-005/18 ; C03C-017/25 ; C09D-001/00

XP - N2000-500506

AB - JP2000233462 NOVELTY - A surface porous hydrophilic material consists of a porous coat layer, which is obtained by coating heat processed amorphous titanium peroxide solution, containing porous anatase type titanium oxide particles, on a base material.

- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for the hydrophilic coating agent.

- USE - For improving pollution and weathering resistance and fogging prevention ability of base material surfaces such as building material, glass, lens, mirror, metal, tile, coding plate, synthetic resin panel sheet and fibers.

- ADVANTAGE - The surface porous hydrophilic material has excellent hydrophilicity, forming contact angle of 10 deg. or less with water and can be applied on outdoors for buildings for fogging prevention on glasses, windows and tiles. The porous coating layer has improved transparency and photocatalytic ability on UV irradiation, and is used indoors for window glass and mirrors. Film forming of porous coat layer can be carried out at low temperature.

- (Dwg.0/0)

CN - R01966-K R01966-U

DRL - 1966-U

IW - SURFACE POROUS HYDROPHILIC MATERIAL SURFACE BUILD MATERIAL CONSIST POROUS COAT LAYER OBTAIN COATING HEAT PROCESS AMORPHOUS TITANIUM PEROXIDE SOLUTION BASE MATERIAL

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NC - 001

OPD - 1998-12-17

ORD - 2000-08-29

PAW - (TAOT-N) TAO KK

TI - Surface porous hydrophilic material surfaces for building materials consists of porous coat layer obtained by coating heat processed amorphous titanium peroxide solution on a base material